RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: $\frac{10/511, 345}{\text{Pot}}$ Source: Date Processed by STIC: $\frac{02/21/200 \text{ G}}{\text{C}}$

ENTERED

file://C:\CRF4\dttblill



RAW SEQUENCE LISTING PATENT APPLICATION: US/10/511,345

DATE: 02/21/2006 TIME: 10:21:06

Input Set : A:\38331005.APP

Output Set: N:\CRF4\02212006\J511345.raw

```
3 <110> APPLICANT: HIRASAWA, KAZUAKI
                                      TSUBOKURA, AKIRA
                                      MIZUTA, HARUYOSHI
    8 <120> TITLE OF INVENTION: METHOD FOR PRODUCING CANTHAXANTHIN
 10 <130> FILE REFERENCE: 38331-0005
 12 <140> CURRENT APPLICATION NUMBER: 10/511,345
  13 <141> CURRENT FILING DATE: 2004-10-15
  15 <150> PRIOR APPLICATION NUMBER: PCT/JP03/04398
  16 <151> PRIOR FILING DATE: 2003-04-07
  18 <150> PRIOR APPLICATION NUMBER: JP 2002-112240
19 <151> PRIOR FILING DATE: 2002-04-15
21 <160> NUMBER OF SEQ ID NOS: 2
22 <170> SEQ IT NOS: 2
23 <170> SEQ IT NOS: 3
25 <210> SEQ IT NOS: 3
26 <211> IENGER: 14
27 <212> TYPE ID A
28 <213> GESAUTE: 14
28 <213> GESAUTE: 14
29 <212> THE INFORMATION: DESCRIPTION of Unknown Organism: Unknown bacter
31 <222> CHEAT THE 1
35 <221> NAME NET: DOUBLE INFORMATION: a, c, g, t, unknown or other
36 <222> NAME NET: DOUBLE INFORMATION: a, c, g, t, unknown or other
39 <400> SEQUENCE: 3
30 <400> SEQUENCE: 4
30 agacttescs a tag good gacagted a tagageged acacatagea agtegagega 60
41 gacettescs a tag good gacagted acacageged gaacagtece ttetetaceg 120
42 adagegates accesses a tag good gatacaged tteggaged attaggeged attaggeged attaggeged acacatagea agtegaged 42
43 adaggates accesses gas accesses galled accesses agtered agtered cacatagga accesses accesses a substantial agrantial agreement of the color of the color
  19 <151> PRIOR FILING DATE: 2002-04-15
  21 <160> NUMBER OF SEQ ID NOS: 2
                                                                                                                            nescription of Unknown Organism: Unknown bacterial strain
```

PAW SECUENCE INSTING ERROR SUMMARY DATENT APHLICATION: US/10/511,345 US/10/511,345 DATE: 02/21/2006 TIME: 10:21:07

Set: N:\38331005.APP

Use of n and/or Kaa dave been detected in the Sequence Listing. Please review the Sequence Listing to ansure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1 N Pos. 45

file://C:\CRF4\Out

file://C:\CRF4\Quid单外

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